

Apple iPhone4 for physicians

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Introduction

See also **Apple iPad for physicians**, **Information technology topics** <http://www.library.ubc.ca/graphic/new2.gif> and **iPhone 4 for health professionals**

Few mobile technologies have taken the field with as much fanfare as the iPhone. Even though Apple ^[4] released the **iPhone 4** ^[5] in 2010, there is already talk of an iPhone 5 ^[6]. In medicine, physicians, medical students and faculty have moved to iPhones for convenience and functionality over other mobiles; some say the iPhone is key to the future of medical practice. (See Smartphones Becoming Integral Tools for Health Care Providers, Medical Students ^[7]). Reports from those using the iPhone 4 (HD) say its a leap forward in functionality. For more information, see It's Official Verizon Has The iPhone 4: Two-Way: NPR ^[8].

For information about the **iPhone in Canada** 🇨🇦, see <http://www.iphoneincanada.ca/> ^[9]. Voice and data plans are available via Rogers ^[10], Telus ^[11], and Bell ^[12].

Apple iPhone 4

Apple's iPhone has some great features:

- 7-hour battery time; fastest, lightest iPhone (specifications ^[5]); 16 or 32GB storage; better resolution, size, weight than previous models
- Better voicemail, widescreen ipod/ivod capability, Apple *multi-touch* technology and a simple, sculpted design
- Functions as an iPod with speakers. Sort through digital music by tapping and flipping through album covers cases with a swipe of the finger



- Improved 5 megapixel camera and autofocus; handset records video at 30 frames-per-second, which can be edited on your phone
- 3.5 inch (8.9 cm) capacitive touchscreen/'sensing' interface; fingerprint-resistant coating that repels dirt and oil (*oleophobic*)
- Browser buttons are small, but basic controls are impressive
- Smooth and pleasant to the touch with a nice heft without being heavy

Medical applications for iPhone

As applications are assessed by physicians, health librarians should also take steps to evaluate them (Kim, 2011). See apps in video above such as asthma tracker, diabetic diary, online stethoscope and Epocrates^[13] (*see also* website^[14]). Some apps are free, like Epocrates, but others offer paid versions with extra features.

- *see* **Apple Medical Apps page**^[15]
- Neal H. Best Medical iPhone Apps for Doctors and Med Students^[16]. Software blog.
- Ten (10) Must-See iPhone Apps for Doctors and Patients^[17]

Basic information & social media

- BlackBag^[18]
- CBC mobile^[19] and CBC News app^[20]
- Globe & Mail mobile^[21] or Globe & Mail app^[22]
- Google mobile^[23]
- Nature.com^[24]
- New York Times mobile^[25] or NYTimes app^[26]
- Webicina^[27] - online medical resources in social media for patients and medical professionals for free in over 15 languages
- University of Maryland Medical Dictionary^[28] *free*

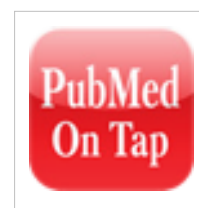


QR Code, Wikipedia

<http://www.uquery.com/apps/324715238-wikipedia-mobile>

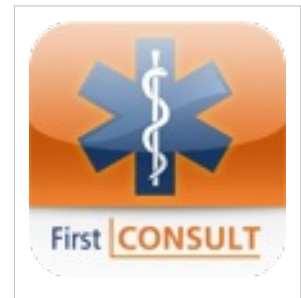
More basic

- PubMed On Tap Lite^[29] or PubMed On Tap^[30] \$2.99
- Wikipedia Mobile app^[31] & mobile version^[32]
- Wikipanion^[33] - alternate wikipedia app
- Clinical Trials^[34] \$3.99 (Video demo^[35])
- Wolfram Alpha^[36] \$1.99
- Evernote^[37] *free*
- Skype^[38] *free*
- Dropbox^[39] *free*



Clinical decisions

- First Consult ^[40] *free*
- Medscape ^[41] *free*
- PEPID ^[42] *free*
- Skyscape Medical Information ^[43] *free*
 - DynaMed ^[44] use Skyscape App and your DynaMed serial number



Clinical support

- Allscripts ^[45] & Care360 ^[46]
- Dr. Rounds ^[47] - the 'Rounding' app \$29.99
- Epocrates (Rx Only) ^[48] & Essentials Version ^[49]
- Full Code ^[50] - Cardiac arrest intervention recorder, *free* (Pro \$0.99)
- iChart Sync - CareTools for the iPhone ^[51] \$139.99
- Dictamus Free ^[52] - dictation recorder & Dictamus ^[53] \$9.99
- LabDx ^[54] - access to information on over 200 laboratory tests, \$9.99
- MediQuations ^[55] - Medical Calculator, \$4.99
- QuantiaMD ^[56] - facilitates CME
- SonoAccess™ ^[57] - Ultrasound Resources
- uHear ^[58] - hearing loss screening test



Medical reference

- Blausen Medical Atlas ^[59] \$19.99
- Dragon Medical Search ^[60] *free*
- ICD9 Consult ^[61] \$14.99
- Glasgow Coma Scale ^[62] \$0.99
- MERCK Manuals ^[63] \$49.95 - \$79.95
- Mobile Merck Medicus ^[64] - requires registration as US health professional
- Unbound Medicine ^[65] - various apps, \$0.99 - \$325.00



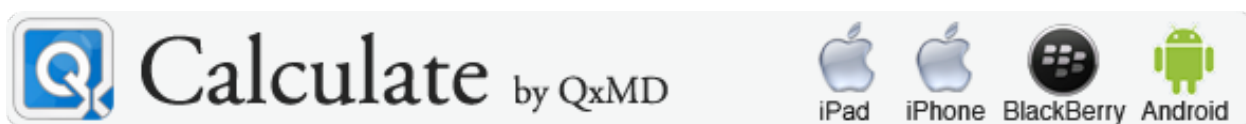
Study tools

- Clinical Mnemonics App ^[66] - Nerdcore Learning \$0.99 <http://www.library.ubc.ca/graphic/new2.gif>
- Eponyms (for students) ^[67]
- Muscle Head and Neck System ^[68]
- Speed Bones Lite ^[69] *free* & Speed Bones MD ^[70] \$0.99
- Speed Muscles MD ^[71] \$2.99
- Muscle System Pro ^[72] \$19.99
- Modality Study Aids ^[73] many clinical topics, most \$34.99 or less

Patient monitoring

- AirStrip Technologies ^[74]. Patient monitoring applications for various disciplines, including: obstetrics, critical care, cardiology, imaging, laboratory medicine



QxMD



- Calculate by QXMD ^[75] - for iPhone, iPad, BlackBerry and Android
- ECG Guide ^[76] - Electrocardiogram interpretation and study guide, \$0.99
- Cardio Calc ^[77] - Cardiology clinical decision support tool
- Neph Calc ^[78] - Nephrology clinical decision support tool
- Pedi STAT ^[79] - guide to pediatric emergency and critical care, \$2.99
- Safe OR: WHO Surgical Safety Checklist ^[80] - shown to reduce post-op complications
- MedSpeak Cantonese ^[81] - talk to Cantonese speaking patients with text & audio translation, \$9.99
- MedSpeak Mandarin ^[81] - talk to Mandarin speaking patients with text & audio translation, \$9.99

Medical schools and medical library websites

A number of American medical schools and libraries have developed 'optimized' versions of their library websites, *see* **Medical sites for mobiles & ...**

- Dalghren Memorial Library: iPhone applications ^[82] - Georgetown University <http://www.library.ubc.ca/graphic/new2.gif>
- Dalhousie Handheld Medicine ^[83] 
- Medical College of Georgia - Information Technology Office (ISED) ^[84]
- University of Saskatchewan - iPhone site ^[85] 
- Yale's Cushing/Whitney Library ^[86]

Unbound Medicine & the iPhone

Unbound Medicine ^[65] (also uCentral ^[87]) is one of the few medical information tools creating iPhone-optimized texts. It emphasizes book titles such as the *Merck Manual*, *Harrison's* and the *Pocket Guide to Diagnostic Tests*, *5-Minute Clinical Consult*, the *Red Book*® from the American Academy of Pediatrics, *Davis's Drug Guide* and *Taber's*. (See list of titles ^[88]).

Unbound MEDLINE ^[89] takes advantage of a built-in Safari™ browser for wifi. Users navigate by tapping or entering terms to see information about diseases, drug monographs for dosing, interactions and adverse effects, etc. See <http://www.unboundmedicine.com/medline>

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